STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ML-21577	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR:
KERR McGEE OIL & GAS ONSHORE L.P.

9. WELL NAME and NUMBER:
STATE 1021-32P

3. ADDRESS OF OPERATOR:
1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 818'FSL, 814'FEL 622401X 4417312Y 39.898939 -109.568231
AT PROPOSED PRODUCING ZONE:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SESE 32 10S 21E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:
18.35 MILES SOUTH OF OURAY, UTAH

12. COUNTY:
UINTAH

13. STATE:
UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
814'	640.00	40.00
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	9,070	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5382'GL		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	H-40	32.3#	1,800	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,070	1920 SX 50/50 POZ	1.31 YIELD	14.3 PPG

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] DATE 3/14/2007

(This space for State use only)

Approved by the Utah Division of Oil, Gas and Mining

API NUMBER ASSIGNED: 43-047-39127

APPROVAL:

Date: 06-25-07
(See Instructions on Reverse Side)
By: [signature]

RECEIVED
MAR 16 2007
DIV. OF OIL, GAS & MINING

(11/2001)

Kerr-McGee Oil & Gas Onshore LP

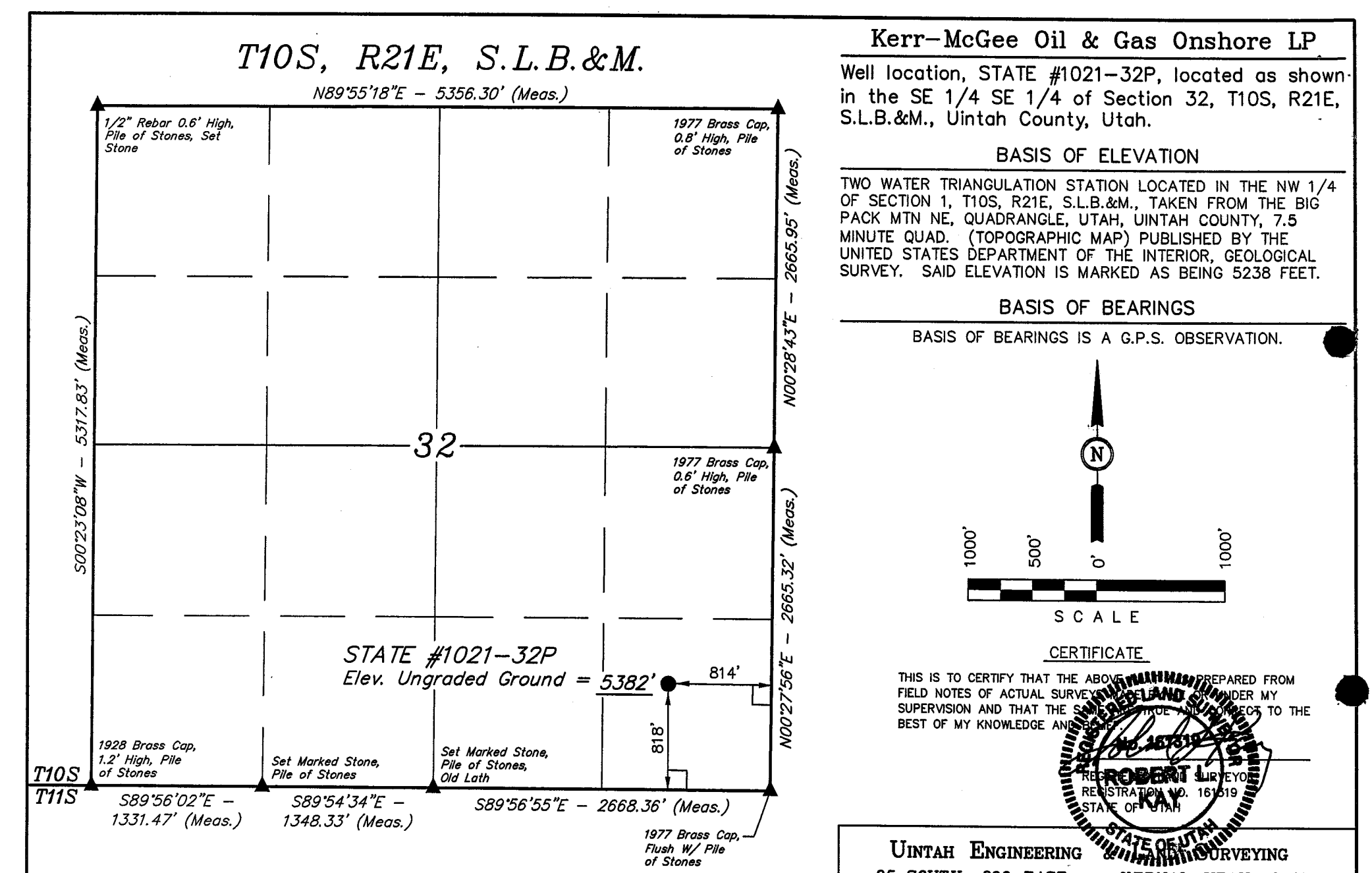
Well location, STATE #1021-32P, located as shown in the SE 1/4 SE 1/4 of Section 32, T10S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°53'56.03" (39.898897)
LONGITUDE = 109°34'08.06" (109.568906)
(NAD 27)
LATITUDE = 39°53'56.15" (39.898931)
LONGITUDE = 109°34'05.59" (109.568219)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 161319 REGISTERED LAND SURVEYOR ROBERT L. KAY STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 12-14-06	DATE DRAWN: 12-18-06
PARTY: L.K. J.M. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr-McGee Oil & Gas Onshore LP	

STATE 1021-32P
SE/SE SEC. 32, T10S, R21E
UINTAH COUNTY, UTAH
ML-21577

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	948'
Top of Birds Nest Water	1193'
Mahogany	1716'
Wasatch	4101'
Mesaverde	6919'
MVU2	7932'
MVL1	8448'
TD	9070'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	948'
Water	Top of Birds Nest Water	1193'
	Mahogany	1716'
Gas	Wasatch	4101'
Gas	Mesaverde	6919'
Gas	MVU2	7932'
Gas	MVL1	8448'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9070' TD, approximately equals 5623 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3628 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

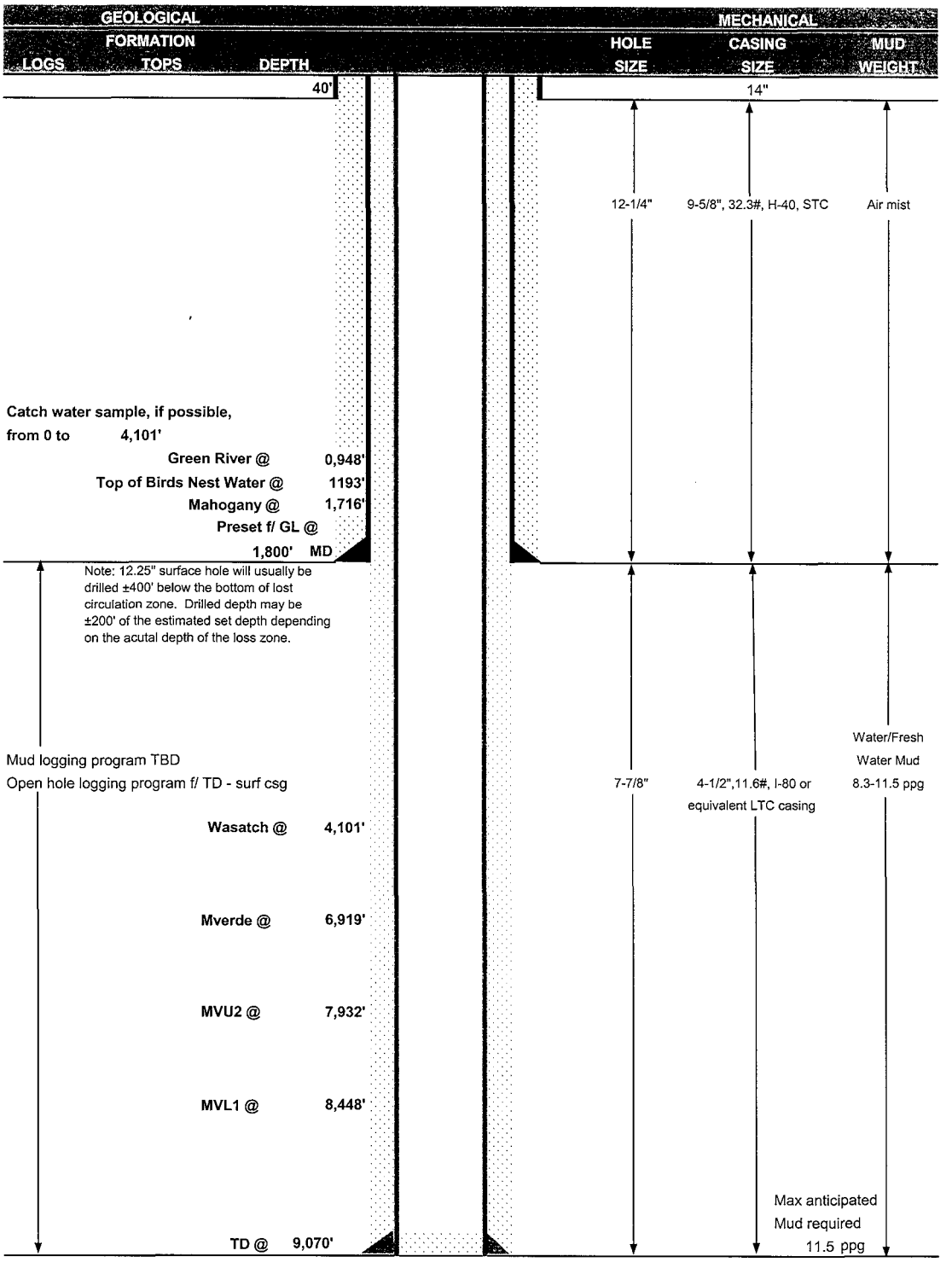
10. **Other Information:**

Please refer to the attached Drilling Program.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	March 14, 2007	
WELL NAME	**STATE 1021-32P**		TD	9,070' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,382' GL KB 5,397'
SURFACE LOCATION	SE/SE SEC. 32, T10S, R21E 818'FSL, 814'FEL			BHL	Straight Hole
	Latitude: 39.898897	Longitude: 109.568906			
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS),Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						2270	1370	254000
SURFACE	9-5/8"	0 to 1800	32.30	H-40	STC	0.66********	1.63	4.99
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9070	11.60	I-80	LTC	2.27	1.17	2.19

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3428 psi

******** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,600'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,470'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1530	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

STATE 1021-32P
SE/SE SEC. 32, T10S, R21E
Uintah County, UT
ML-21577

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Approximately 0.4 +/- miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 2037' +/- of 4" steel pipeline is proposed from the location to an tie-in point. Refer to Topo Map D.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

3/14/2007
Date

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 15.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-32N TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED #1021-32N AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-32H TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-32I TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 49.35 MILES.

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

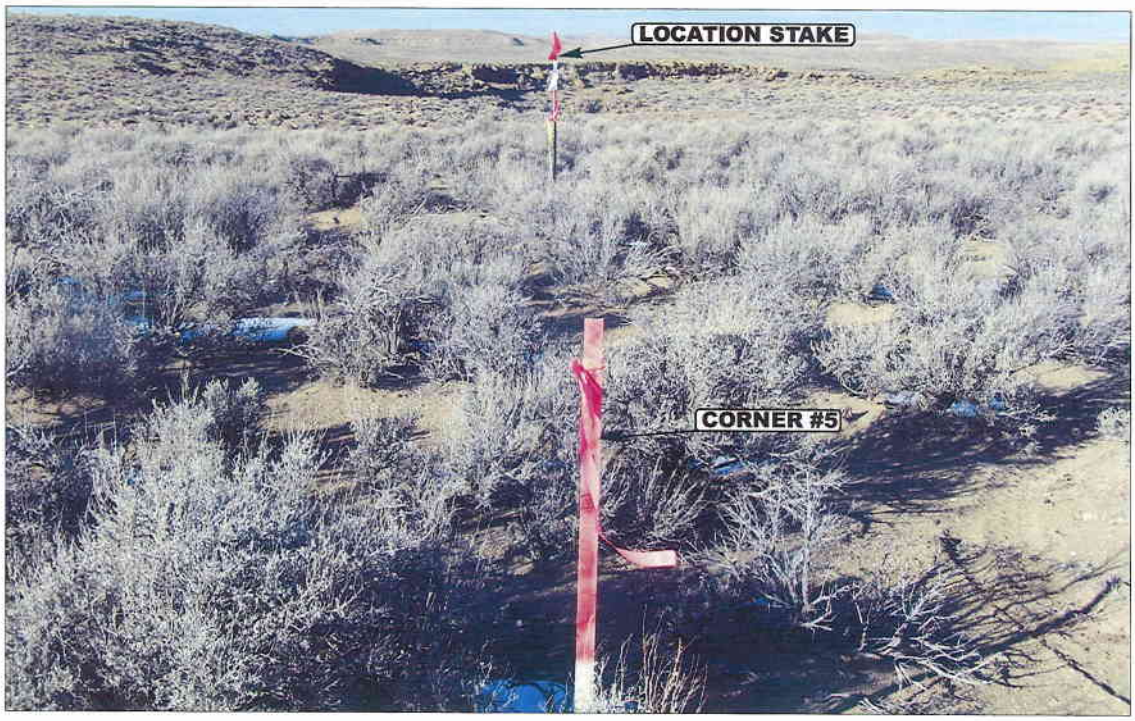
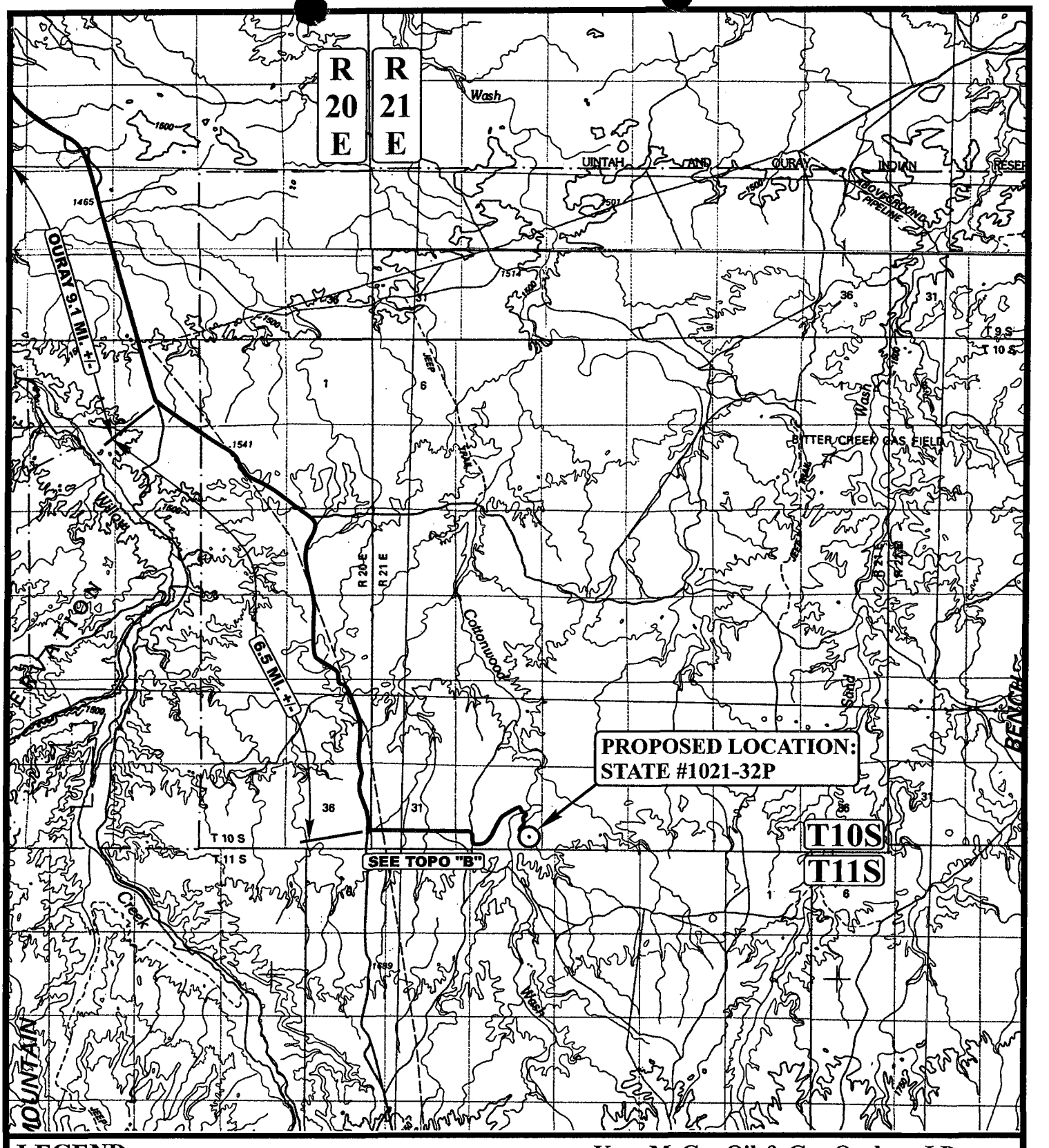


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	12 MONTH	19 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

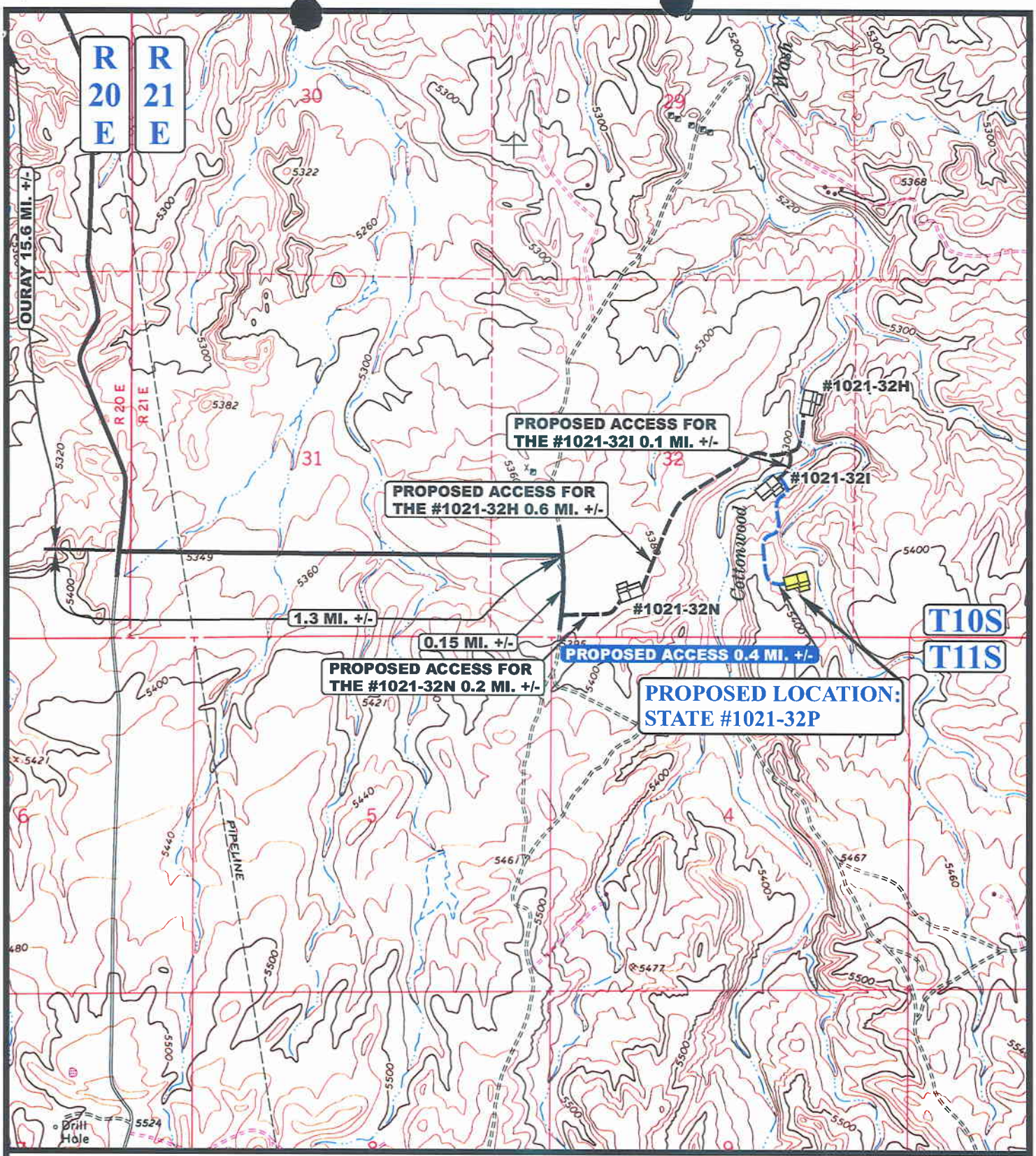
N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	19 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

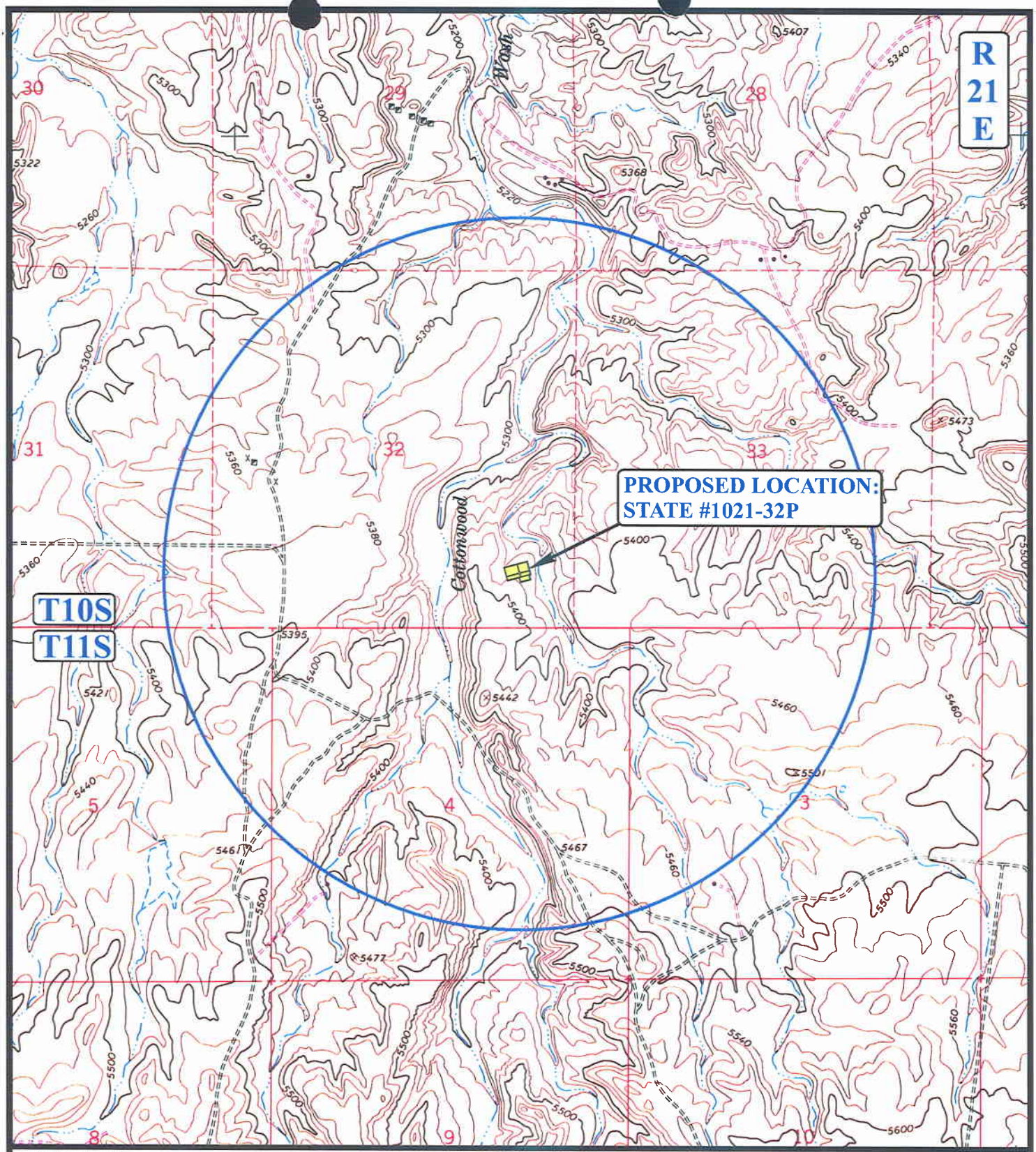
STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 19 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00

B TOPO



LEGEND:

- DISPOSAL WELLS
- WATER WELLS
- PRODUCING WELLS
- ABANDONED WELLS
- SHUT IN WELLS
- TEMPORARILY ABANDONED

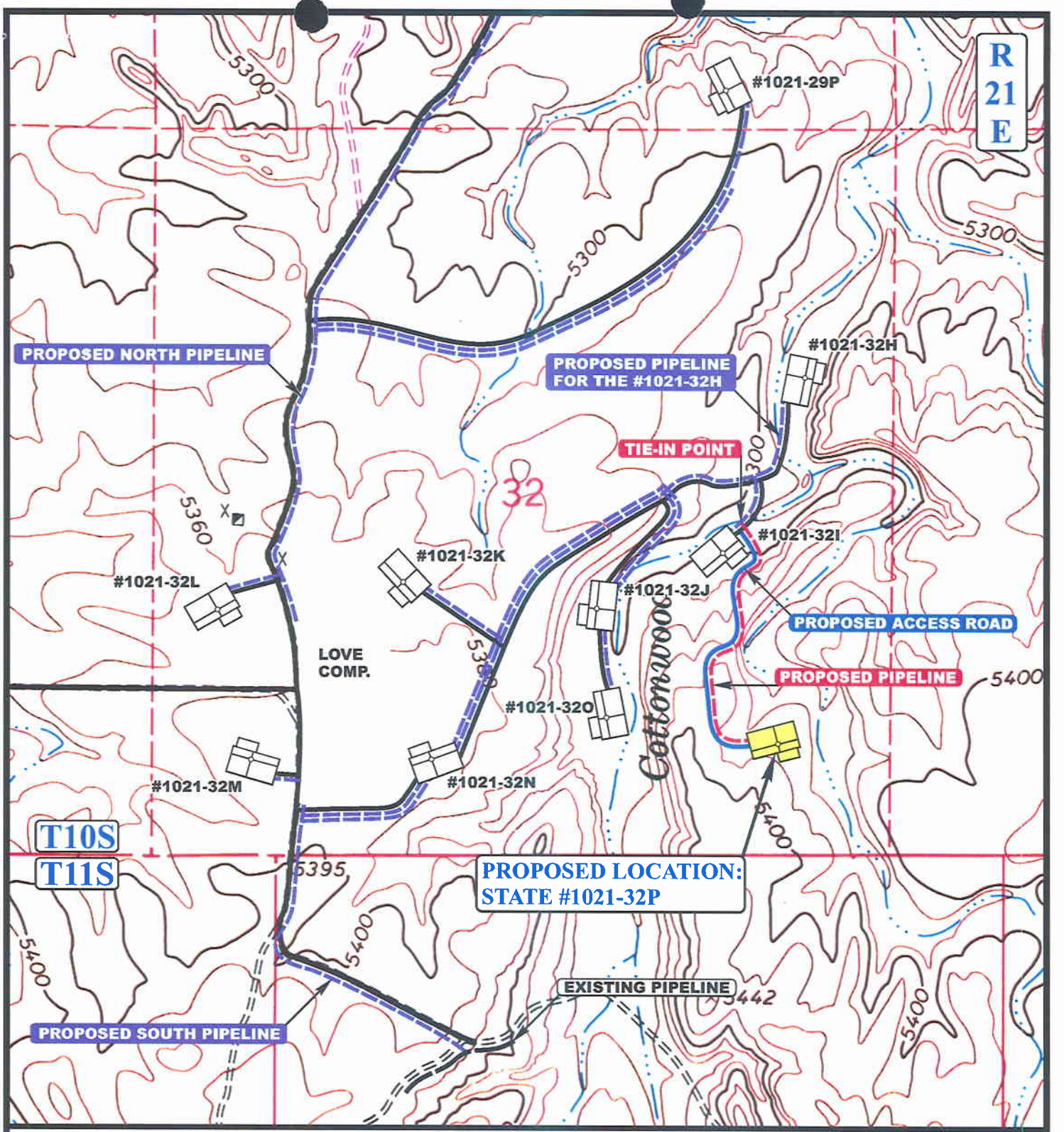
N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	19 DAY	06 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00	C TOPO



APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 2,037' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE
PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	19 DAY	06 YEAR
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00	D TOPO

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: SOUTHEASTERLY**

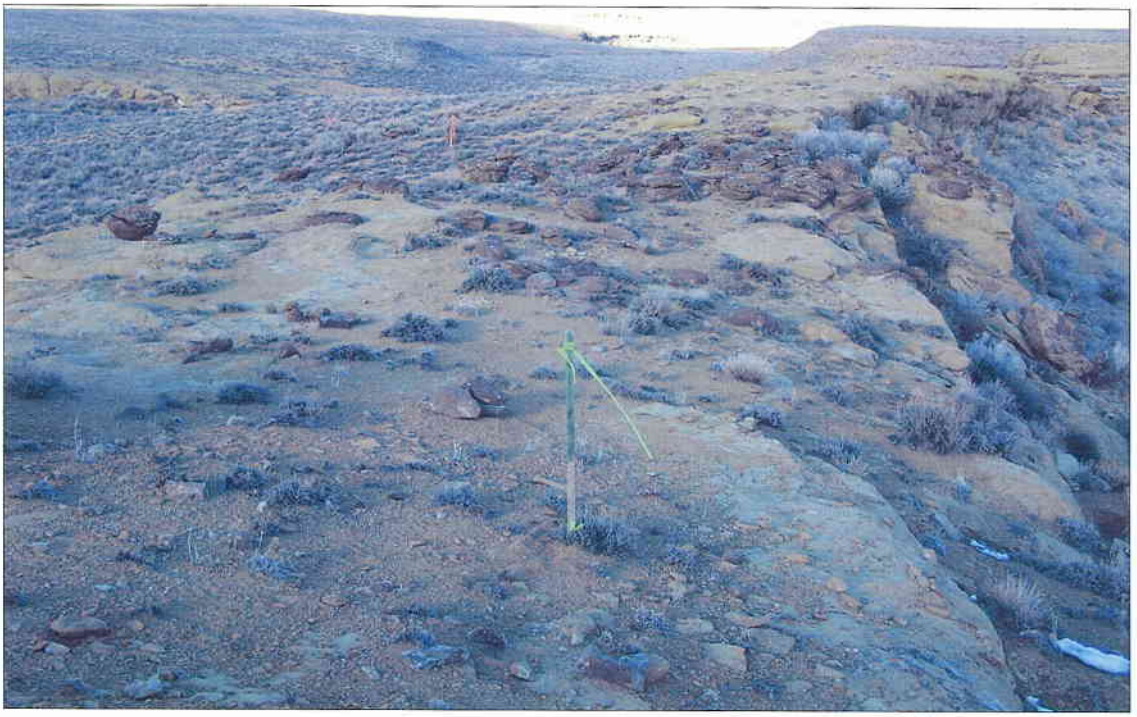


PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: SOUTHERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

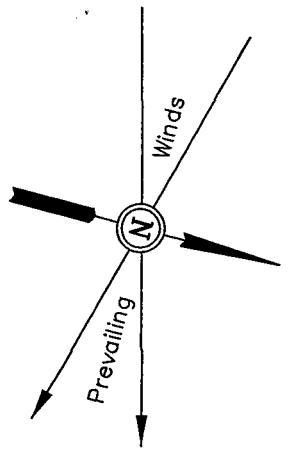
PIPELINE PHOTOS	12 MONTH	19 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

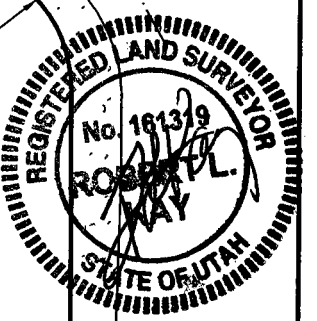
FIGURE #1

LOCATION LAYOUT FOR

STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL



SCALE: 1" = 50'
DATE: 12-18-06
Drawn By: P.M.



C-9.1'
El. 88.4'

Proposed Access Road

Existing Drainage

F-6.3'
El. 73.0'

Sta. 3+50

58'

C-5.0'
El. 84.3'

Round Corners as Needed

Approx. Top of Cut Slope

200'

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

PIPE TUBS

PIPE RACKS

CATWALK

Pit Topsoil

FLARE PIT

C-5.7'
El. 85.0'

C-3.0'
El. 82.3'

Bloole Line

El. 87.9'
C-18.6'
(btm. pit)

70'

10'

58'

RIG

135'

Sta. 1+50

C-5.4'
El. 84.7'

MUD TANKS

DOG HOUSE

TOILET

F-5.3'
El. 74.0'

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

WATER TANK

MUD TANKS

PUMP HOUSE

BOOSTER

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH/DIKE

RESERVE PITS (10' Deep)

Total Pit Capacity W/2' of Freeboard = 9,850 Bbls. ±
Total Pit Volume = 2,780 Cu. Yds.

SLOPE 1 1/2 : 1

Topsoil Stockpile

150'

TRASH

F-2.8'
El. 76.5'

150'

Sta. 0+25

PROPANE STORAGE

F-4.3'
El. 75.0'

El. 78.7'
C-9.4'
(btm. pit)

15' WIDE BENCH/DIKE

10'

Sta. 0+00

F-3.6'
El. 75.7'

F-4.6'
El. 74.7'

Existing Drainage

Approx. Toe of Fill Slope

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5382.3'

FINISHED GRADE ELEV. AT LOC. STAKE = 5379.3'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

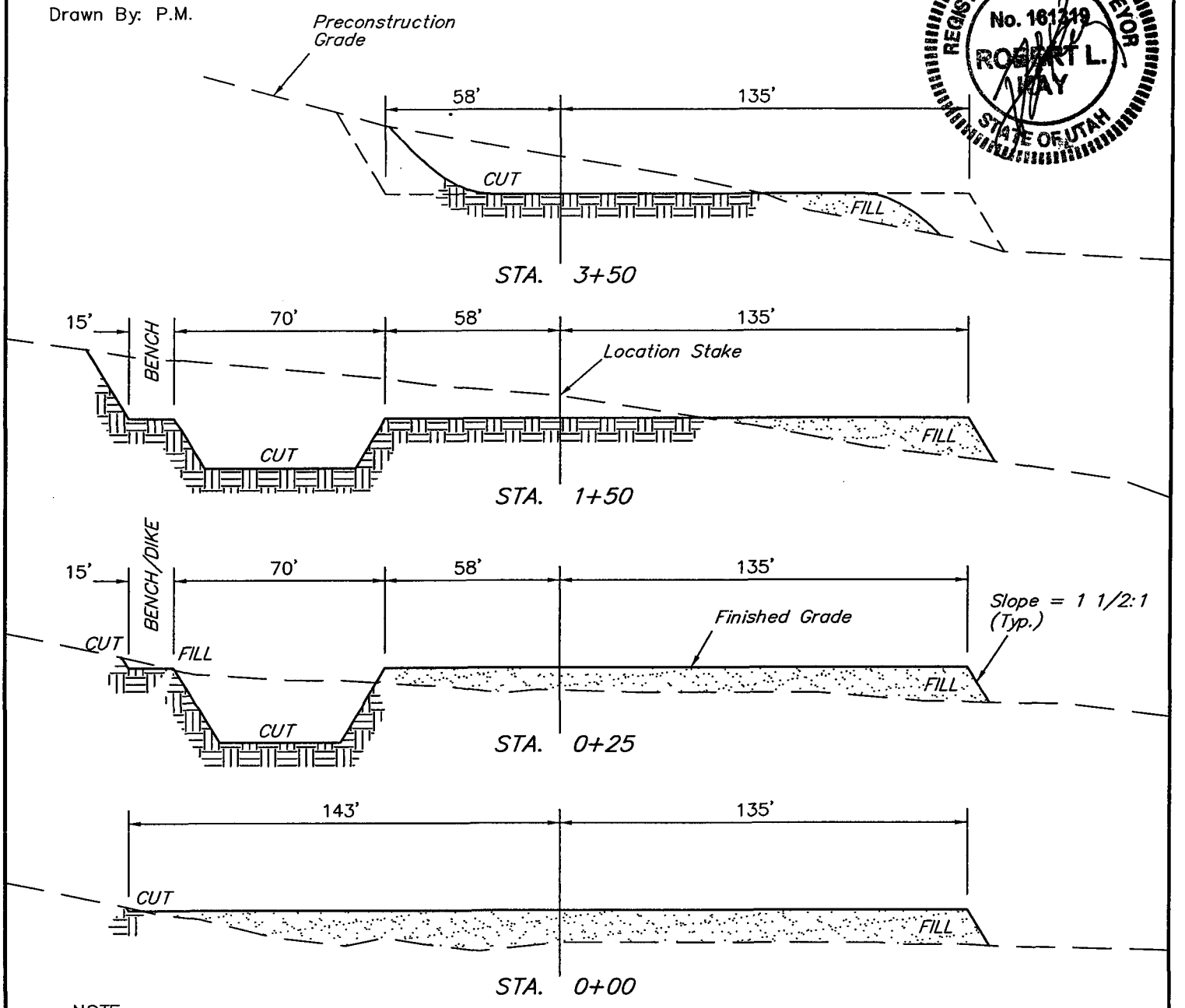
FIGURE #2

TYPICAL CROSS SECTIONS FOR
STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 12-18-06
Drawn By: P.M.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. MAY
STATE OF UTAH



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,810 Cu. Yds.
Remaining Location = 7,820 Cu. Yds.

TOTAL CUT = 9,630 CU.YDS.
FILL = 6,430 CU.YDS.

EXCESS MATERIAL = 3,200 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/16/2007

API NO. ASSIGNED: 43-047-39127

WELL NAME: STATE 1021-32P

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SESE 32 100S 210E

SURFACE: 0818 FSL 0814 FEL

BOTTOM: 0818 FSL 0814 FEL

COUNTY: UINTAH

LATITUDE: 39.89894 LONGITUDE: -109.5682

UTM SURF EASTINGS: 622401 NORTHINGS: 4417312

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering	DKD	4/24/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21577

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: ___

✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

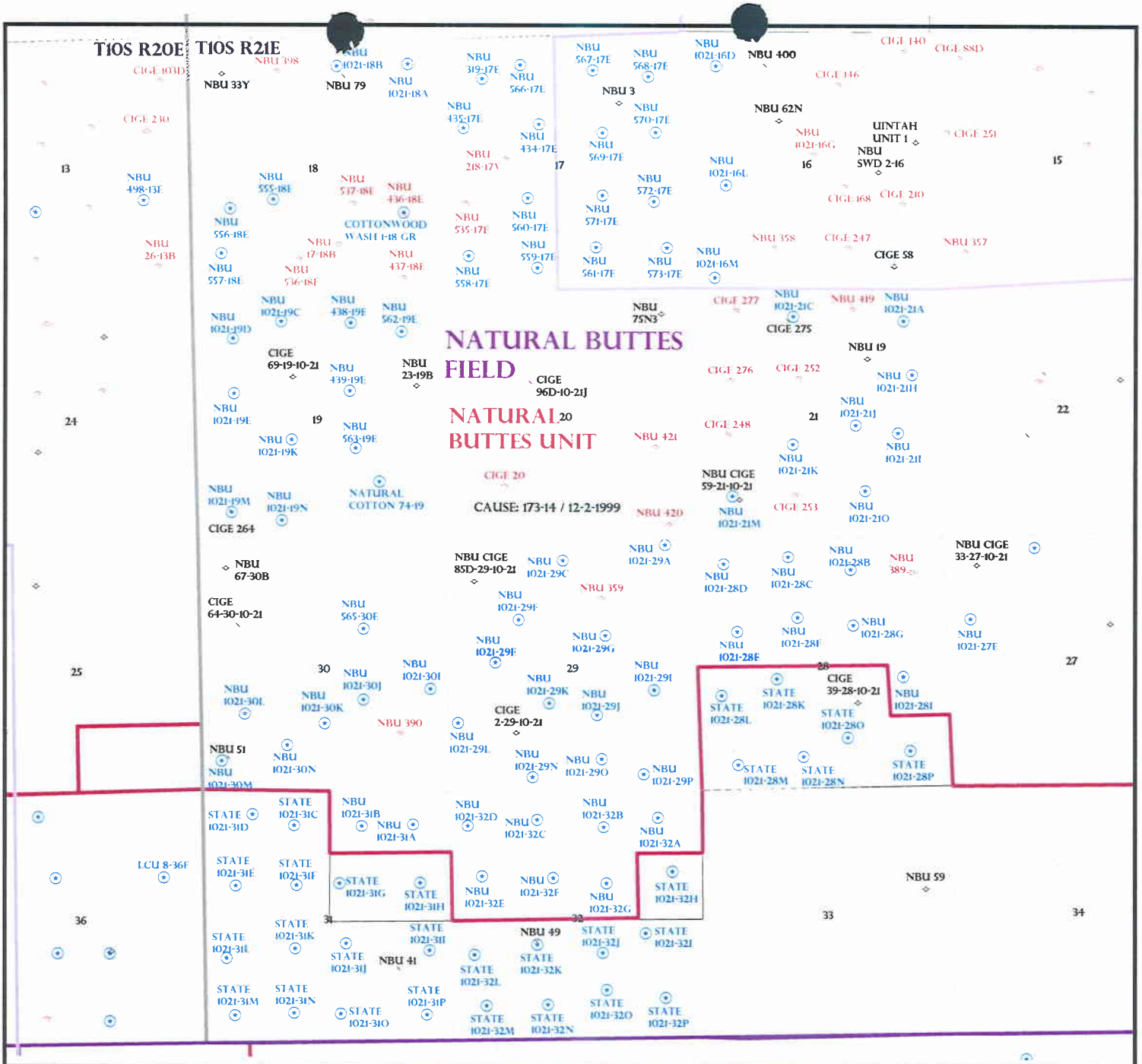
___ R649-3-3. Exception

___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___

___ R649-3-11. Directional Drill

COMMENTS: Needs Presite (04-04-07)

STIPULATIONS: 1- Spacing Slip
2- Statement of Basis
3- Oil Shale
4- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N9550)

SEC: 28,31,32 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA MASON
DATE: 23-MARCH-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
327	43-047-39127-00-00		GW	S	No

Operator	KERR-MCGEE OIL & GAS ONSHORE, LP	**Surface Owner-APD**	
Well Name	STATE 1021-32P	**Unit**	
Field	UNDESIGNATED	**Type of Work**	
Location	SESE 32 10S 21E S 818 FSL 814 FEL	GPS Coord (UTM) 622401E 4417312N	

Geologic Statement of Basis

Kerr McGee proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,400'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill	4/16/2007
APD Evaluator	**Date / Time**

Surface Statement of Basis

The general area is within the Love area of the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 12 miles to the White River. No seeps, springs or streams exist in the area.

This location is approximately 18 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.4 miles of the proposed site. New construction will be required from this point.

The proposed location is on a broad rounded ridge between the main Cottonwood Wash drainage approximately ½ to the west and a sub-drainage to the east. Terrain is rolling with some near-by steep side-hills with exposed sandstone ledges. The south end of the location stops at exposed bedrock. A drainage thru the proposed reserve pit location will be cutoff by the spoils and redirected to its location after the pit is closed. No diversion is needed.

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Floyd Bartlett	4/4/2007
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name STATE 1021-32P
API Number 43-047-39127-0 **APD No** 327 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SESE **Sec** 32 **Tw** 10S **Rng** 21E 818 FSL 814 FEL
GPS Coord (UTM) 622402 4417313 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Keznic, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Ben Williams (UDWR)

Regional/Local Setting & Topography

The general area is within the Love area of the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 12 miles to the White River. No seeps, springs or streams exist in the area.

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Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use
Grazing
Recreational
Wildlfe Habitat

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.4	**Width** 278	**Length** 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Vegetation is a shrub type. A moderate stand of big sagebrush exists. Lomatium, greasewood, curly mesquite and a few spring annuals are also present.

Antelope, cattle, rabbits, coyotes, and small mammals, birds and raptors.

Soil Type and Characteristics

Moderately deep sandy loam with a few surface rocks.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

The proposed reserve pit is 70' x 150' x 10' deep located in a cut on the southeast corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

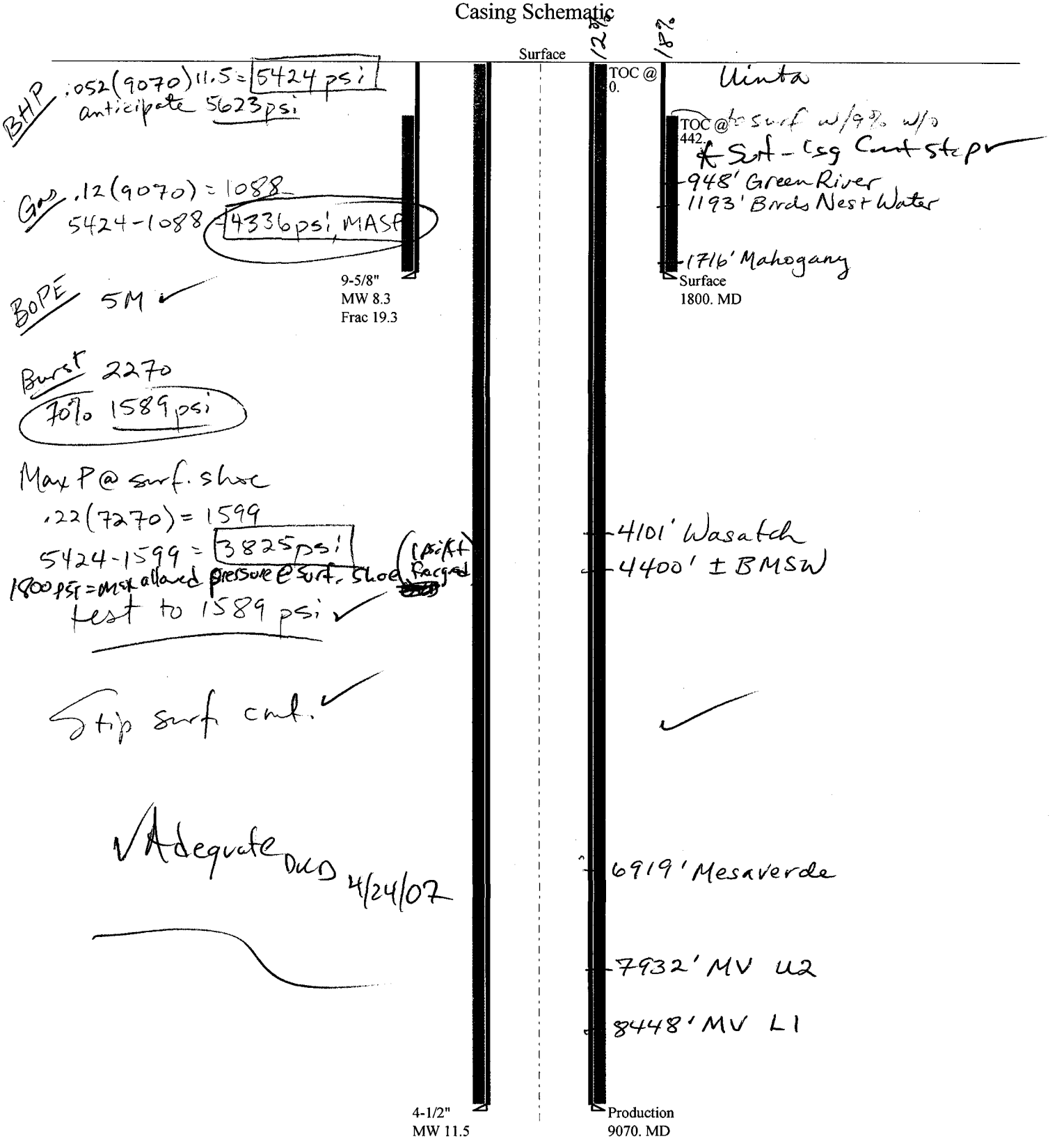
Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the location.

ATV's were used to access the site.

Floyd Bartlett	4/4/2007
Evaluator	**Date / Time**

2007-04 Kerr McGee State 1021-32P

Casing Schematic



Well name:	**2007-04 Kerr McGee State 1021-32P**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-39127
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.300 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,584 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 1,800 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 1,581 ft

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 100 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,400 ft

Cement top: 442 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,070 ft

Next mud weight: 11.500 ppg

Next setting BHP: 5,418 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,800 ft

Injection pressure: 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	795.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	776	1370	1.765	1800	2270	1.26	51	254	4.97 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals

Phone: (801) 538-5357

FAX: (801) 359-3940

Date: April 19,2007

Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-04 Kerr McGee State 1021-32P**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-39127
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,423 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,418 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,511 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 202 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9070	4.5	11.60	I-80	LT&C	9070	9070	3.875	791.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5418	6360	1.174	5418	7780	1.44	87	212	2.43 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 19,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9070 ft, a mud weight of 11.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32P

2. NAME OF OPERATOR: KERR McGEE OIL AND GAS ONSHORE LP 43-047-39127

9. API NUMBER: ~~43-047-36255~~

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7003

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 818' FSL 814' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

An onsite was conducted on 4/4/07 with the Division of Oil, Gas and Mining Representative and SITLA Representative. It was decided to change the proposed pipeline from a 4" pipeline that was approximately 2037' +/- to, two 4" pipelines approximately 6,800' +/- and 900' +/-, a 6" pipeline approximately 7,600' +/-, and a 10" pipeline approximately 3,750'

Please refer to the attached Topo D.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

NAME (PLEASE PRINT) Ramey Hoopes TITLE Land Specialist I

SIGNATURE Ramey Hoopes DATE 4/18/2007

RECEIVED
APR 23 2007
DIV. OF OIL, GAS & MINING

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

From: Ed Bonner
To: Mason, Diana
Date: 6/22/2007 10:23 AM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

EOG Resources, Inc
- Chapita Wells Unit 1330-32 (API 43 047 39293)
- Chapita Wells Unit 1326-32 (API 43 047 39294)
- Chapita Wells Unit 1327-32 (API 43 047 39295)
- Chapita Wells Unit 1325-32 (API 43 047 39296)
- Chapita Wells Unit 1331-32 (API 43 047 39300)
- Chapita Wells Unit 1328-32 (API 43 047 39301)

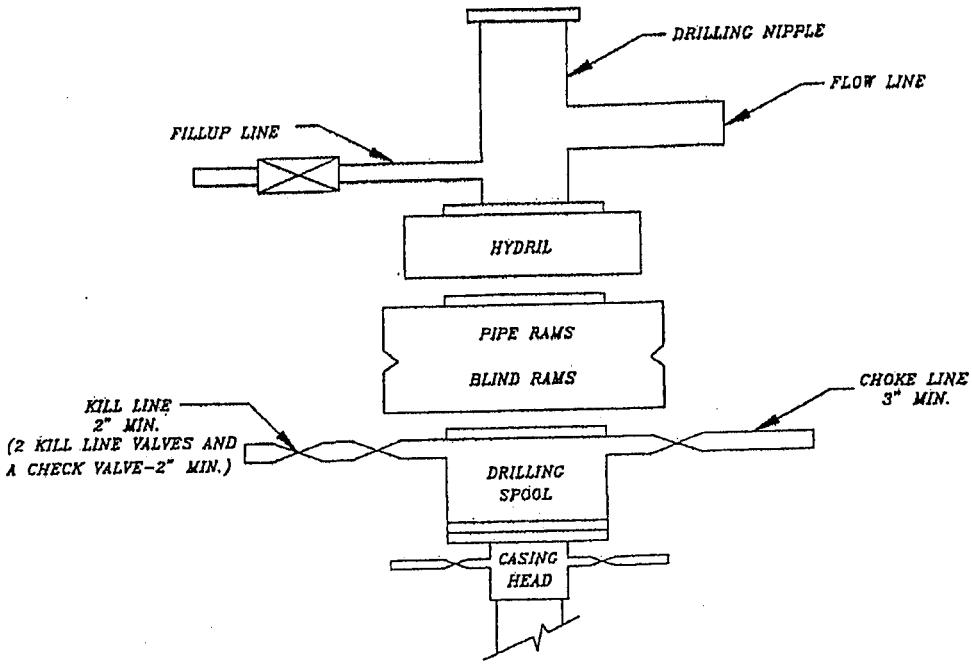
Kerr McGee Oil & Gas Onshore LP
- NBU 1021-19M (API 43 047 38150)
- NBU 1021-32A (API 43 047 39026)
- NBU 1021-32B (API 43 047 39027)
- NBU 1021-32C (API 43 047 39028)
- NBU 1021-32F (API 43 047 39029)
- NBU 1021-32P (API 43 047 39127)
- NBU 1021-32O (API 43 047 39128)
- NBU 1021-32N (API 43 047 39129)
- NBU 1021-32M (API 43 047 39130)
- NBU 1021-32L (API 43 047 39131)
- NBU 1021-32K (API 43 047 39132)
- NBU 1021-32J (API 43 047 39133)
- NBU 1021-32I (API 43 047 39134)
- NBU 1021-32H (API 43 047 39135)
- NBU 1021-32G (API 43 047 39136)
- NBU 1021-32D (API 43 047 39137)
- NBU 1021-32E (API 43 047 39138)

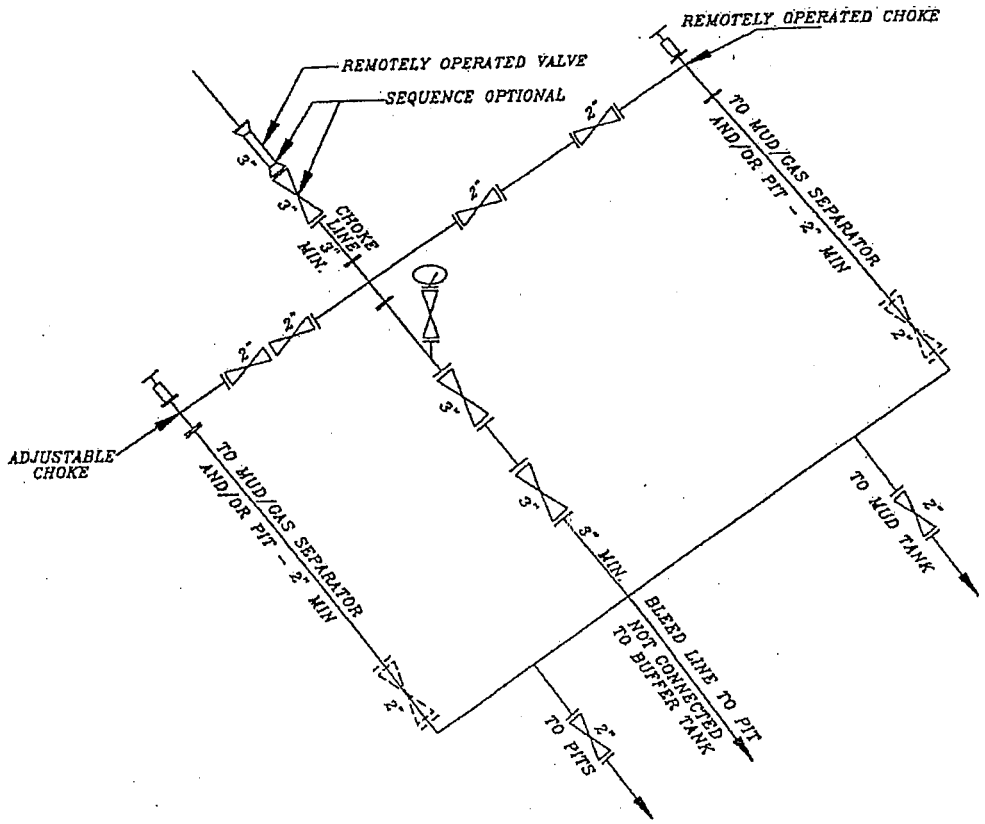
Parallel Petroleum Corporation
- Trail Creek Anticline 1-2-6-25 (API 43 047 38324)

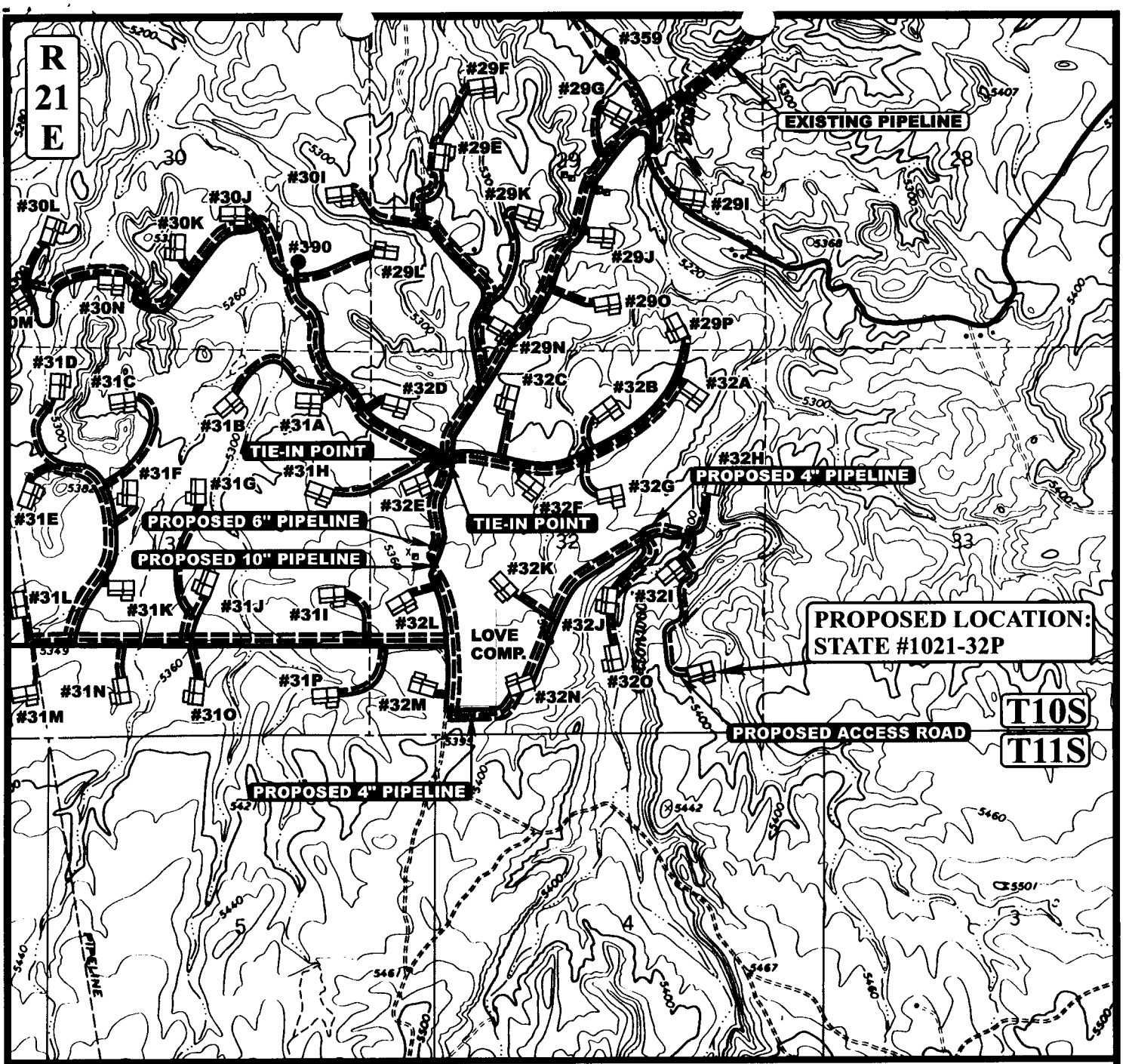
QEP Uinta Basin Inc
- GB 7SG-36-8-21 (API 43 047 38765)

If you have any questions regarding this matter please give me a call.

5M BOP STACK and CHOKE MANIFOLD SYSTEM







APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 900' +/-

APPROXIMATE TOTAL 10" PIPELINE DISTANCE = 3,750' +/-

APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 7,600' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 6,800' +/-

LEGEND:

PROPOSED ACCESS ROAD

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

STATE #1021-32P
SECTION 32, T10S, R21E, S.L.B.&M.
818' FSL 814' FEL

UELS

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	19 DAY	06 YEAR	D TOPO
SCALE: 1" =2000'	DRAWN BY: C.P.	REVISED: 04-12-07		

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 25, 2007

Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East
Vernal, UT 84078

Re: State 1021-32P Well, 818' FSL, 814' FEL, SE SE, Sec. 32, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39127.

Sincerely,

Gil Hunt
Associate Director

er
Enclosures

cc: Uintah County Assessor
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number State 1021-32P

API Number: 43-047-39127

Lease: ML 21577

Location: SE SE **Sec.** 32 **T.** 10 South **R.** 21 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

8. Surface casing shall be cemented to the surface.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32P

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739127

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 818'FSL, 814'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU CRAIGS BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 11/02/2007 AT 0930 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 11/5/2007

(This space for State use only)

RECEIVED
NOV 14 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32P

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739127

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 818'FSL, 814'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

STATE: UTAH

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☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG ON 11/08/2007. DRILLED 12 1/4" SURFACE HOLE TO 1870'. RAN 9 5/8" 41 JTS OF 32.3# H-40 AND 2 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/150 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS 22 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. GOOD CMT TO SURFACE AND FELL BACK.. TOP OUT W/85 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 11/26/2007

(This space for State use only)

RECEIVED
DEC 03 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

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7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32P

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739127

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 818'FSL, 814'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1870' TO 9005' ON 12/16/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/310 SX PREM LITE II @11.2 PPG 3.13 YIELD, TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/139 BBLS WATER BUMP PLUG. PLUG HAD 2550 TO 3210 PSI FLOAT DID NOT HOLD RE-BUMP PLUG FLOAT HELD W/2 BBLS BACK TO TRUCK FULL RETURNS DURING JOB W/ NO CMT TO SURFACE. LAND MANDREL N/D STACK OUT CLEAN PITS RESERVE 3/4 FULL LINER OK.

RELEASED ENSIGN RIG 83 ON 12/18/2007 AT 12:00 PM.

RECEIVED
DEC 24 2007
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE [signature] DATE 12/19/2007

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32P

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739127

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 818'FSL, 814'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: PRODUCTION START-UP
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 02/18/2008 AT 4:30 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
FEB 25 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 2/21/2008

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(5/2000) (See Instructions on Reverse Side)

Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

STATE 1021-32P
LOCATION SESE SEC.32, T10S, R21E
UINTAH COUNTY, UT

DATE	ACTIVITY		STATUS
10/09/07	LOCATION STARTED	ENSIGN 83	
10/29/07	LOACTION COMPLETED	ENSIGN 83	P/L IN, WOBR
11/02/07	SET CONDUCTOR	ENSIGN 83	WOAR
11/08/07	SET AIR RIG	ENSIGN 83	DRILL
11/21/07	9-5/8" @ 1860'	ENSGIN 83	WORT

11/30/07 TD: 1887' Csg. 9 5/8" @ 1860' MW: 8.4 SD: 11/xx/07 DSS: 0
Move to State 1021-32P.

12/03/07 TD: 4800' Csg. 9 5/8" @ 1860' MW: 9.4 SD: 11/30/07 DSS: 3
RURT. NU and test BOPE. PUDS and drill FE. Rotary spud @ 2000 hrs 11/30/07. Drill from 1887'-4800'. DA.

12/04/07 TD: 5655' Csg. 9 5/8" @ 1860' MW: 10.0 SD: 11/30/07 DSS: 4
Drill from 4800'-5655'. DA.

12/05/07 TD: 6180' Csg. 9 5/8" @ 1860' MW: 10.0 SD: 11/30/07 DSS: 5
Drill from 5655'-6180'. DA.

12/06/07 TD: 6600' Csg. 9 5/8" @ 1860' MW: 10.3 SD: 11/30/07 DSS: 6
Drill from 6180'-6366'. TFNB. Drill to 6600'. DA.

12/07/07 TD: 7400' Csg. 9 5/8" @ 1860' MW: 11.0 SD: 11/30/07 DSS: 7
Drill from 6600'-7400'. DA @ report time.

12/10/07 TD: 8452' Csg. 9 5/8" @ 1860' MW: 11.4 SD: 11/30/07 DSS: 10
Drill from 7400'-8452'. TFNB. TIH and tag up @ 3133'. W&R to 3193'. TIH to 3204' and work stuck pipe. Spot diesel around DC and free point. Back off @ 2709'. POOH and PU fishing tools. Screw into fish and jar on fish 3 ½ hrs with no movement @ report time.

12/11/07 TD: 8452' Csg. 9 5/8" @ 1860' MW: 11.4 SD: 11/30/07 DSS: 11
Jar on fish with no movement. Jars stop working. Run freepoint, stuck above jars. RU Weatherford and pump foam air. Pipe came free. Circulate hole and POOH with fish. Lay down fishing tools and BHA. PU bit and Mud Motor and Inspect DC @ report time.

12/12/07 TD: 8452' Csg. 9 5/8" @ 1860' MW: 11.4 SD: 11/30/07 DSS: 12
Inspect DC. LD 81 jts DP from derrick. TIH to casing shoe. W&R from 1878'-3742'. Wash out mud line. TOOH to casing shoe and repair mud line.

12/13/07 TD: 8452' Csg. 9 5/8" @ 1860' MW: 11.4 SD: 11/30/07 DSS: 13
Repair mud line. TIH to 3747'. W&R from 3747'-5504' @ report time.

12/14/07 TD: 8452' Csg. 9 5/8" @ 1860' MW: 11.4 SD: 11/30/07 DSS: 14
W&R from 5504'-8152' @ report time.

12/17/07 TD: 9005' Csg. 9 5/8" @ 1860' MW: 11.8 SD: 11/30/07 DSS: 17
W&R from 8152'-8452'. Drill to 8837'. TFNB. Drill to 9005' TD. Short trip and POOH for logs. Run Quad Combo. TIH w/ drill string @ report time.

12/18/07 TD: 9005' Csg. 9 5/8" @ 1860' MW: 11.8 SD: 11/30/07 DSS: 18
TIH w/ drill string and CCH for casing. LDDS. Run 4 ½" Production Casing. Circulate bottoms up and RU BJ @ report time.

12/19/07 TD: 9005' Csg. 9 5/8" @ 1860' MW: 11.8 SD: 11/30/07 DSS: 19
Cement 4.5" prod csg. Land hanger, ND, clean pits, and rls rig @ 1200 on 12/18/07. RDRT and prep to move to State 1021-28M @ report time.

02/06/08 **MIRU**
Days on Completion: 1
Remarks: DAY #1] 7:00 HSM [ROADING RIG]. R/D ROAD RIG FROM NBU 1021-31A TO STATE 1021-32P, MIRU SPOT EQUIP, P/U 3-7/8 MILL W/ X-OVER, TALLEY & P/U 245 JNTS 2-3/8 J-55 TBG, EOT @ 7664' POOH W/ 24 JNTS STANDING BACK, EOT@ 6942' SWIFN.5:30

02/07/08 **PREP TO FRAC**
Days On WellWork: 2
Daily Detail: DAY #2] 7:00 HSM OPEN WELL 0# CSG, 0#TBG POOH W/ TBG & MILL, N/D TBG EQUIP, N/D BOPS, N/U FRAC VALVES, MIRU B&C QUICK TEST, PRESSURE TEST CSG & FRAC VALVES TO 7500# [GOOD TEST] R/D TESTERS, PREP WELL FOR FRAC. SWIFN. 5:30

02/12/08 **4 STAGE FRAC**

4 STAGE FRAC

OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00- 7:30	0.50	48 P		HSM
7:30-18:00	10.50	36 P	E	STG #1] FRAC MESAVERDE 9625'-9685' 44 HOLES, WHP=0#, BRK DN PERFS @ 3904#, INJT PSI=5054, INJT RT=51.3, ISIP=3372#, FG=.93 [SCREENED OFF 30 BBLS LEFT IN FLUSH] FLOWED WELL BACK FOR 15 MIN. REFLUSHED. PUMP'D 1778 BBLS SLK/WTR W/ 50366# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3451#, FG=.94, AR=51.2, AP=5065#, MR=52.4, MP=7476#, NPI=79, 44/44 PERFS OPEN 100% STG #2] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 8508', PEERF MESAVERDE USING 3-3/8 EXP 23 GRM, 0.36" HOLE. 8476'-8478' 4 SPF, 90° PH, 8 HOLES, 8406'-8409' 4SPF, 90° PH, 12 HOLES, 8365'-8470' 4SPF, 90° PH, 20 HOLES [40 HOLES] WHP=0#, BRK DN PERFS @ 4514#, INJ PSI=6150#, INJT RT=50.4, ISIP=3027#, FG=.80, PUMP'D 609.6 BBLS SLK/WTR W/ 18711# 30/50 MESH W/ 5000# RSIN COAT IN TAIL, ISIP=3280#, FG=.93, AR=50.6, AP=5503#, MR=52.7, MP=6344#, NPI=233#, 24/40 PERFS OPEN 60% STG #3] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 7605', PERF MESAVERDE USING 3-3/8 EXP, 23 GRM, 0.36" HOLE. 7573'-7576' 3SPF, 120° PH, 6 HOLES, 7573'-7538' 3SPF, 120° PH, 9 HOLES, 7511'-7520' 3SPF, 120° PH, 27 HOLES [42 HOLES] WHP=0#, BRK DN PERFS @ 46423, injt psi=4775, INJT RT=50.5, ISIP=20913, fg=.72, pump'd 1285 BBLS SLK/WTR W/ 43170# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=2984#, FG=.84, AR=50.5, AP=43623, mr=50.8, MP=4906#, NPI=903#, 27/40 PERFS OPEN 65% STG#4] P/U RIH W/ BKR 8K CBP & PERF GUN, SET CBP @ 7249', PERF MESAVERDE 7213'-7218' 4SPF, 90° PH, 20 HOLES. 7194'-7198' 4SPF, 90° PH, 16 HOLES, WASATCH 7125'-7127' 2SPF, 180° PH, 4 HOLES, 7085'=7087' 2SPF, 180° PH, 4 HOLES [44 HOLES] WHP=0#, BRK DN PERFS @ 3090#, INJT PSI=3900#, INJT RT=50.6, ISIP=1764#, FG=.69, PUMP'D 4006 BBLS SLK/WTR W/ 140904# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2893#, FG=.85, AR=50.7, AP=3853#, MR=53, MP=5504#, NPI=1109#, 42/44 PERFS OPEN 96% KILL PLUG] P/U RIH W/ BKR 8K CBP, SET CBP @ 7031', POOH R/D WIRE LINE & WEATHERFORD FRAC EQUIP. N/D FRAC VALVES, N/U BOPE, R/U TBG EQUIP, P/U 3-7/8 BIT W/ POBS RIH W/ 2-3/8 TBG, EOT @ 3024' SWIFN.
				DAY COST

02/13/08 **DRILL OUT**

OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00- 7:30	0.50	48 P		HSM DRLG PLUGS & LANDING UNDER PRESSURE
7:30- 9:30	2.00	44 P		OPEN WELL 0# FINISH RIH PLUG #1] TAG KILL PLUG @ 7031', P/U PWR SWVL, EST CIRC, DRL THROUGH BKR 8K CBP IN 15 MIN. 1800# INCREASE, CONTINUE TO RIH
9:30-10:30	1.00			PLUG #2] TAG SAND @ 7219' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7248' IN 20 MIN. 900# INCREASE, CONTINUE TO RIH.
10:30-11:30	1.00			PLUG #3] TAG SAND @ 7545' [60' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7605' IN 15 MIN. 400# INCREASE, CONTINUE TO RIH.
11:30-17:00	5.50			PLUG #4] TAG SAND @ 8479' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 8505' IN 30 MIN. 500# INCREASE, CONTINUE TO RIH & C/O TO PBTD @ 8960' CIRC HOLE, L/D 33 JNTS ON FLOAT, R/D PWR SWVL, P/U & LUBRICATE HANGER IN WELL W/ 252 JNTS 2-3/8 J-55 TBG, EOT @ 7936.29', DROP BALL, R,D TBG EQUIP, N/D BOPE, N/U WELL HEAD, PUMP OFF BIT W/ 1800#, HOOKED WELL UP TO FLOW BACK TANK TURNED OVER TO FLOW BACK CREW. 17:00 HR

02/08/08 **STANDBY**
Days On WellWork: 3
Daily Detail: STANDBY. FRAC ON MONDAY.

02/13/08 **FLOWBACK REPORT:** CP 2000#, TP 700#, CK 20/64", 45 BWPH, LOAD REC'D 1655 BBLS, REMAINING LTR 6023 BBLS

02/14/08 **FLOWBACK REPORT:** CP 2000#, TP 1050#, CK 20/64", 30 BWPH, LOAD REC'D 810 BBLS, REMAINING LTR 5213 BBLS

02/15/08 **FLOWBACK REPORT:** CP 2000#, TP 1100#, CK 20/64", 10 BWPH, LOAD REC'D 470 BBLS, REMAINING LTR 4743 BBLS

02/16/08 **FLOWBACK REPORT:** CP 1600#, TP 1100#, CK 20/64", 12 BWPH, LOAD REC'D 244 BBLS, REMAINING LTR 4499 BBLS

02/17/08 **FLOWBACK REPORT:** CP 1600#, TP 1200#, CK 20/64", 6 BWPH, LOAD REC'D 170 BBLS, REMAINING LTR 4329 BBLS

02/18/08 **FLOWBACK REPORT:** CP 1750#, TP 1475#, CK 16/64", 5 BWPH, LOAD REC'D 125 BBLS, REMAINING LTR 4204 BBLS

WENT ON SALES: @ 4:30 PM, 2000 MCF, 1600 TBG, 1200 CSG, 16/64 CK, 5 BBWH

02/19/08 **ON SALES:** 692 MCF, 0 BC, 120 BW, TP: 1475#, CP: 1750#, 16/64 CHK, 8 HRS, LP: 250#.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: STATE 1021-32P
9. API NUMBER: 4304739127
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 818'FSL, 814'FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

12. COUNTY: UINTAH
13. STATE: UTAH

14. DATE SPUDDED: 11/2/2007
15. DATE T.D. REACHED: 12/16/2007
16. DATE COMPLETED: 2/18/2008 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 5382'GL

18. TOTAL DEPTH: MD 9,005 TVD
19. PLUG BACK T.D.: MD 8,960 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR , BCS, SD, DSN , ACTR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		1,870		535			
7 7/8"	4 1/2 I-80	11.6#		9,005		1510			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7,936							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WSTCH/MESA	7,085	7,218		
(B) MESAVERDE	7,511	8,685		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
7,085	7,218	0.36	44	Open ☑ Squeezed ☐
7,511	8,685	0.36	126	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7085'-7218'	PMP 4006 BBLS SLICK H2O & 140,904# 30/50 SD
7511'-8685'	PMP 3673 BBLS SLICK H2O & 110,247# 30/50 SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
MAR 17 2008
DIV. OF OIL, GAS & MINING

(5/2000) (CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
2/18/2008	2/29/2008	24		8	1,967	124	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
18/64	878	1,181					8	1,967	124	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
2/18/2008	2/29/2008	24		8	1,967	124	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
18/64	878	1,181					8	1,967	124	PROD

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH	4,104	7,389			
MESAVERDE	7,389				

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE DATE 3/12/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1021-32P

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304739127

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 818'FSL, 814'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER
	☐ CONVERT WELL TYPE	☑ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH FORMATION. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: 3/12/2009
Initials: KS

NAME (PLEASE PRINT): SHEILA UPCHEGO TITLE: REGULATORY ANALYST

SIGNATURE: DATE: 2/10/2009

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 3/11/09
BY:

(See Instructions on Reverse Side)

(5/2000)

RECEIVED
FEB 19 2009
DIV. OF OIL, GAS & MINING

Name: State 1021-32P
Location: SE SE Sec 32 T10S R21E
Uintah County, UT
Date: 01/28/2009

ELEVATIONS: 5382 GL 5399 KB

TOTAL DEPTH: 9055 **PBTD:** 8960
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 1861'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9005'
Marker Joint **3920-3941'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES (bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

839' Green River
1137' Birds Nest
1540' Mahogany
4985' Wasatch
6916' Mesaverde
Estimated T.O.C. from CBL @4500

GENERAL:

- A minimum of **10** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 12/16/2007
- **3** fracturing stages required for coverage.
- Procedure calls for 4 CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~7936
- Originally completed on 2/12/2008

Existing Perforations:

MESAVERDE	7085	7087	2	4
MESAVERDE	7125	7127	2	4
MESAVERDE	7194	7198	4	16
MESAVERDE	7213	7218	4	20
MESAVERDE	7511	7520	3	27
MESAVERDE	7535	7538	3	9
MESAVERDE	7573	7575	3	6
MESAVERDE	8365	8370	4	20
MESAVERDE	8406	8409	4	12
MESAVERDE	8476	8478	4	8
MESAVERDE	8625	8628	3	9
MESAVERDE	8630	8635	4	20
MESAVERDE	8651	8653	3	6
MESAVERDE	8682	8685	3	9

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~7936'). Visually inspect for scale and consider replacing if needed

3. If tbg looks ok consider running a gauge ring to 6684 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6684 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 6634'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6594	6604	4	40

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6544' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~5822'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5758	5764	4	24
WASATCH	5788	5792	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5708' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~5130'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5090	5100	4	40

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5040' flush only with recycled water.

11. Set 8000 psi CBP at ~5040'.

12. TIH with 3 7/8" mill, pump off bit sub, SN and tubing.

13. Mill plugs (DRILL ISOLATION PLUG @ 6634') and clean out to 8960. Land tubing at ±**8335**' and pump off bit sub unless indicated otherwise by the well's behavior. This well will be commingled at this time.

14. RDMO

15. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

For design questions, please call
Curtis Caile, Denver, CO
(406)-490-2742 (Cell)
(720)-929-6194 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

NOTES:
Note this is a test to 3 ppg sand in the wasatch.

Fracturing Schedules

State 1021-32P Recompletion

Slickwater Frac

3258.996

77.5951429

Stage	Zone	Feet of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	8	6594	6604	4	40	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	3		No Perfs			0	ISIP and 5 min ISIP											38
	WASATCH	2		No Perfs			50	Slickwater Pad			Slickwater	135	135	15.0%	0.0%	0	0		17
	WASATCH	1		No Perfs			50	Slickwater Ramp	0.25	1.5	Slickwater	449	584	50.0%	35.7%	16,506	16,506		28
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.5	3	Slickwater	314	898	35.0%	64.3%	29,711	46,217		0
	WASATCH	3		No Perfs			50	Flush (4-1/2")				102	1,000				46,217		38
	WASATCH	1		No Perfs				ISDP and 5 min ISDP											121
															gal/ft	1,755	2,150	lbs sand/ft	
		22		# of Perfs/stage		40							Flush depth	6544		CBP depth	5,822	722	
							LOOK	<< Above pump time (min)											
2	WASATCH	2	5758	5764	4	24	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	4	5788	5792	4	16	0	ISIP and 5 min ISIP											
	WASATCH	0		No Perfs			50	Slickwater Pad			Slickwater	137	137	15.0%	0.0%	0	0		17
	WASATCH	0		No Perfs			50	Slickwater Ramp	0.25	1.5	Slickwater	456	592	50.0%	35.7%	16,745	16,745		29
	WASATCH	1		No Perfs			50	Slickwater Ramp	1.5	3	Slickwater	319	911	35.0%	64.3%	30,141	46,885		0
	WASATCH	5		No Perfs			50	Flush (4-1/2")				89	1,000				46,885		33
	WASATCH	3		No Perfs				ISDP and 5 min ISDP											79
															gal/ft	1,343	1,645	lbs sand/ft	
		29		# of Perfs/stage		40							Flush depth	5708		CBP depth	5,130	578	
							LOOK	<< Above pump time (min)											
3	WASATCH	1	5090	5100	4	40	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	2		No Perfs			0	ISIP and 5 min ISIP											
	WASATCH	2		No Perfs			50	Slickwater Pad			Slickwater	288	288	15.0%	0.0%	0	0		36
	WASATCH	1		No Perfs			50	Slickwater Ramp	0.25	1.5	Slickwater	961	1,249	50.0%	35.7%	35,311	35,311		61
	WASATCH	7		No Perfs			50	Slickwater Ramp	1.5	3	Slickwater	673	1,922	35.0%	64.3%	63,559	98,870		0
	WASATCH	3		No Perfs			50	Flush (4-1/2")				78	2,000				98,870		0
	WASATCH	8		No Perfs				ISDP and 5 min ISDP											97
															gal/ft	3,509	4,299	lbs sand/ft	
		23		# of Perfs/stage		40							Flush depth	5040		CBP depth	5,040	0	LOOK
							LOOK	<< Above pump time (min)											
	Totals	73				120						gals	3,995	bbls		Total Sand	191,972		
												bbls							
													8.9	tanks			Total Scale Inhib. =		297

State 1021-32P Recompletion
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	6594	6604	4	40		6588.5	to	6596
	WASATCH		No Perfs				6596.5	to	6599
	WASATCH		No Perfs				6599.5	to	6601.5
	WASATCH		No Perfs				6602	to	6602.5
	WASATCH		No Perfs				6608	to	6609
	WASATCH		No Perfs				6612.5	to	6615.5
	WASATCH		No Perfs				6616	to	6616.5
	WASATCH		No Perfs				6617	to	6621.5
	# of Perfs/stage				40		CBP DEPTH	5,822	
2	WASATCH	5758	5764	4	24		5758.5	to	5760
	WASATCH	5788	5792	4	16		5760.5	to	5764.5
	WASATCH		No Perfs				5788.5	to	5789.5
	WASATCH		No Perfs				5790	to	5792
	WASATCH		No Perfs				5792.5	to	5793.5
	WASATCH		No Perfs				5819	to	5823.5
	WASATCH		No Perfs				5879	to	5881.5
	WASATCH		No Perfs				5888.5	to	5889.5
	WASATCH		No Perfs				5896.5	to	5898
	WASATCH		No Perfs				5907	to	5908
	WASATCH		No Perfs				5915.5	to	5918.5
	WASATCH		No Perfs				5921.5	to	5923
	WASATCH		No Perfs				5923.5	to	5925
	WASATCH		No Perfs				5925.5	to	5928.5
	WASATCH		No Perfs				5932	to	5934.5
	# of Perfs/stage				40		CBP DEPTH	5,130	
3	WASATCH	5090	5100	4	40		5070	to	5070.5
	WASATCH		No Perfs				5078	to	5080
	WASATCH		No Perfs				5079.5	to	5081
	WASATCH		No Perfs				5081.5	to	5082
	WASATCH		No Perfs				5082.5	to	5089
	WASATCH		No Perfs				5089.5	to	5092.5
	WASATCH		No Perfs				5093	to	5100.5
	WASATCH		No Perfs				5104.5	to	5106
	# of Perfs/stage				40		CBP DEPTH	5,040	
	Totals				120				

KerrMcGee

Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
DENVER, CO 80217-3779

February 13, 2009

Mr. Dustin Doucet
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: State 1021-32P
SESE Sec. 32, T10S-R21E
API Well No. 4304739127
Uintah County, Utah

Dear Dustin,

In accordance with R649-3-22, "Completion Into Two or More Pools", please be advised that there are no contiguous owners in oil and gas leases or in drilling units overlying the pool we intend to commingle to notify. As evidenced by the enclosed plat, Kerr-McGee Oil & Gas Onshore LP is the sole working interest owner in all contiguous leasehold.

Please let me know if anything further is required in order to approve the sundry submitted to you regarding the recompletion of the State 1021-32P. I have enclosed a copy of the sundry notice.

Thank you for your attention to our request.

Sincerely,
KERR-McGEE OIL & GAS ONSHORE LP

Jason Rayburn
Landman

enclosures

RECEIVED
FEB 19 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH)

) ss

COUNTY OF UINTAH)

AFFIDAVIT

Jason Rayburn, of lawful age, and being first duly sworn upon oath, deposes and says:

He is a Landman of Kerr-McGee Oil & Gas Onshore LP, of Denver, Colorado. Kerr-McGee Oil & Gas Onshore LP is the operator of the following described well:

STATE 1021-32P
818' FSL, 814' FEL (SESE)
SECTION 32, T10S- R21E
UINTAH COUNTY, UTAH

Kerr-McGee Oil & Gas Onshore LP the only owner in the well and/or of all the contiguous oil and gas leases or drilling units overlying the pool.

On the 13th day of February 2009, he placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling into two or more pools (formations) in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining.

Further affiant saith not.

Jason Rayburn, Affiant

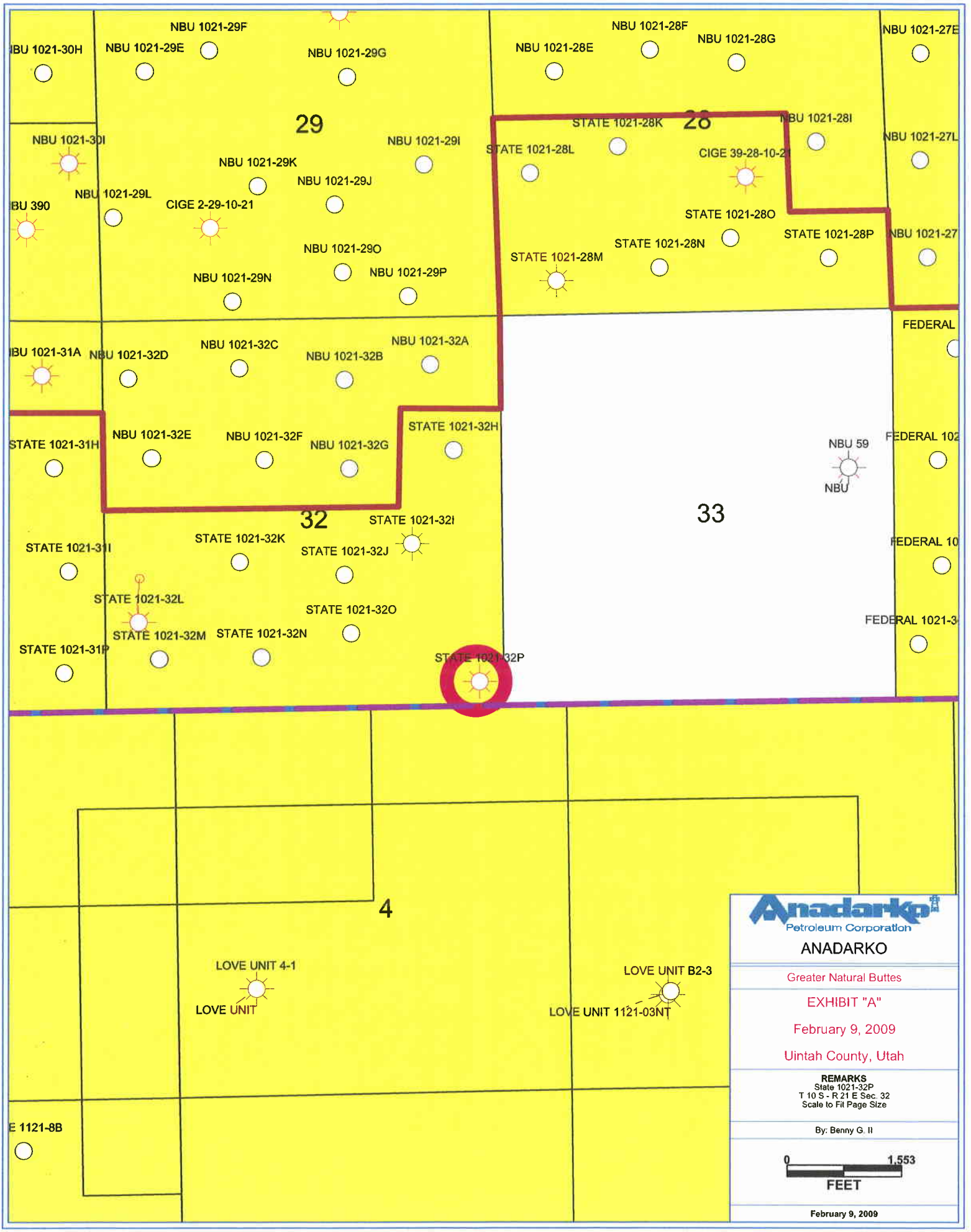
Subscribed and sworn before me this 13th day of February, 2009.

JODI DOLLARD
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires Aug. 16, 2009

Notary Public

My Commission Expires:

Aug. 16, 2009


NBU 1021-30H
NBU 1021-29F
NBU 1021-29E
NBU 1021-29G
NBU 1021-28F
NBU 1021-28E
NBU 1021-28G
NBU 1021-27E
29
28
NBU 1021-30I
NBU 1021-29I
STATE 1021-28K
NBU 1021-28I
STATE 1021-28L
NBU 1021-27L
NBU 1021-29K
NBU 1021-29J
CIGE 39-28-10-21
NBU 1021-29L
CIGE 2-29-10-21
BU 390
STATE 1021-28O
STATE 1021-28P
NBU 1021-27
NBU 1021-29O
STATE 1021-28N
STATE 1021-28M
NBU 1021-29N
NBU 1021-29P
FEDERAL
IBU 1021-31A
NBU 1021-32D
NBU 1021-32C
NBU 1021-32B
NBU 1021-32A
STATE 1021-31H
NBU 1021-32E
NBU 1021-32F
NBU 1021-32G
STATE 1021-32H
NBU 59
NBU
FEDERAL 102
32
33
STATE 1021-32I
STATE 1021-31I
STATE 1021-32K
STATE 1021-32J
FEDERAL 10
STATE 1021-32L
STATE 1021-32O
FEDERAL 1021-3
STATE 1021-32M
STATE 1021-32N
STATE 1021-31P
STATE 1021-32P
4
LOVE UNIT 4-1
LOVE UNIT B2-3
LOVE UNIT
LOVE UNIT 1121-03NT
E 1121-8B
Anadarko
Petroleum Corporation
ANADARKO
Greater Natural Buttes
EXHIBIT "A"
February 9, 2009
Uintah County, Utah
REMARKS
State 1021-32P
T 10 S - R 21 E Sec. 32
Scale to Fit Page Size
By: Benny G. II
0
1,553
FEET
February 9, 2009
PETRA 2/9/2009 3:32:38 PM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	NBU REVISION						UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	Various	2900	3/13/2012			2/1/2012	

Comments: MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. 72 wells 5/31/2012

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

SHEILA WOPSOCK
Name (Please Print)
Signature
REGULATORY ANALYST
Title
5/30/2012
Date

RECEIVED
MAY 31 2012
Div. of Oil, Gas & Mining

(5/2000)

Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

API	Well Name	QTR/QTR	orig entity Section	TWNSHP	RANGE	Producing Intervals
4304737079	FEDERAL 920-25I	NESE	15431	25 9S	20E	WASATCH/MESAVERDE
4304737080	FEDERAL 920-25H	SENE	15761	25 9S	20E	WASATCH/MESAVERDE
4304737081	FEDERAL 920-25A	NENE	15553	25 9S	20E	WASATCH/MESAVERDE from MVRD
4304739098	STATE 1021-28M	SWSW	16499	28 10S	21E	WASATCH To WSMVD
4304737918	FEDERAL 1021-26L	NWSW	16390	26 10S	21E	MESAVERDE To WSMVD
4304737919	FEDERAL 1021-26N	SESW	16391	26 10S	21E	WASATCH/MESAVERDE
4304737916	FEDERAL 1021-25O	SWSE	16277	25 10S	21E	WASATCH/MESAVERDE
4304739112	STATE 1021-31M	SWSW	16454	31 10S	21E	WASATCH To WSMVD
4304739127	STATE 1021-32P	SESE	16471	32 10S	21E	WASATCH/MESAVERDE
4304739128	STATE 1021-32O	SWSE	17513	32 10S	21E	WASATCH/MESAVERDE
4304739131	STATE 1021-32L	NWSW	16902	32 10S	21E	WASATCH/MESAVERDE
4304739133	STATE 1021-32J	NWSE	17529	32 10S	21E	WASATCH/MESAVERDE
4304739134	STATE 1021-32I	NESE	16905	32 10S	21E	WSMVD
4304739135	STATE 1021-32H	SENE	17528	32 10S	21E	WASATCH/MESAVERDE
4304735714	FEDERAL 1022-29H	SENE	15147	29 10S	22E	WASATCH/MESAVERDE
4304735715	FEDERAL 1022-29F	SENW	15162	29 10S	22E	WASATCH/MESAVERDE
4304735716	FEDERAL 1022-29B	NWNE	14982	29 10S	22E	WASATCH/MESAVERDE
4304735737	FEDERAL 1022-29I	NESE	15001	29 10S	22E	WASATCH/MESAVERDE
4304735738	FEDERAL 1022-29D	NWNW	15016	29 10S	22E	MESAVERDE To WSMVD
4304734862	FEDERAL 31-10-22	SESE	13879	31 10S	22E	MESAVERDE To WSMVD
4304735173	FEDERAL 1022-31D	NWNW	14132	31 10S	22E	WASATCH/MESAVERDE
4304736492	FEDERAL 1022-31N	SESW	16255	31 10S	22E	WASATCH/MESAVERDE
4304736493	FEDERAL 1022-31I	NESE	15089	31 10S	22E	WASATCH/MESAVERDE
4304736494	FEDERAL 1022-31G	SWNE	15075	31 10S	22E	WASATCH/MESAVERDE
4304736495	FEDERAL 1022-31F	SENE	15230	31 10S	22E	WASATCH/MESAVERDE
4304736574	FEDERAL 1022-31C	NENW	15090	31 10S	22E	WASATCH/MESAVERDE
4304736575	FEDERAL 1022-31J	NWSE	15214	31 10S	22E	WASATCH/MESAVERDE
4304736576	FEDERAL 1022-31L	NWSW	16276	31 10S	22E	WASATCH/MESAVERDE
4304734317	STATE 1-32	NESW	13419	32 10S	22E	WASATCH/MESAVERDE
4304734831	STATE 2-32	SESW	13842	32 10S	22E	MESAVERDE To WSMVD
4304734832	STATE 3-32	NWSW	13844	32 10S	22E	WASATCH/MESAVERDE
4304735095	STATE 1022-32J	NWSE	14097	32 10S	22E	WSMVD
4304735096	STATE 1022-32A	NENE	13914	32 10S	22E	WASATCH/MESAVERDE
4304735186	STATE 1022-32P	SESE	14131	32 10S	22E	MESAVERDE To WSMVD
4304735315	STATE 1022-32O	SWSE	14114	32 10S	22E	WASATCH/MESAVERDE
4304735647	STATE 1022-32H	SENE	14348	32 10S	22E	MESAVERDE To WSMVD
4304736413	STATE 1021-36O	SWSE	15619	36 10S	21E	WASATCH/MESAVERDE
*4304738157	WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED					
4304734839	FEDERAL 1022-15F	SENW	14618	15 10S	22E	WASATCH/MESAVERDE
4304736414	STATE 1021-36J	NWSE	15651	36 10S	21E	WASATCH/MESAVERDE
4304738152	STATE 1021-36L	NWSW	16012	36 10S	21E	WASATCH/MESAVERDE
4304735440	FEDERAL 1022-15J	NWSE	14617	15 10S	22E	WASATCH/MESAVERDE
4304736415	STATE 1021-36I	NESE	15684	36 10S	21E	WASATCH/MESAVERDE
4304738845	STATE 1021-36D	NWNW	16455	36 10S	21E	WASATCH/MESAVERDE

4304750096	FEDERAL 1022-27H	SENE	17626	27	10S	22E	WASATCH/MESAVERDE
4304736416	STATE 1021-36H	SENE	15335	36	10S	21E	WASATCH/MESAVERDE
4304738846	STATE 1021-36E	SWNW	16523	36	10S	21E	WASATCH/MESAVERDE
4304735676	FEDERAL 1022-28L	NWSW	15110	28	10S	22E	WASATCH/MESAVERDE
4304736417	STATE 1021-36G	SWNE	15297	36	10S	21E	WASATCH/MESAVERDE
4304738847	STATE 1021-36F	SENW	16394	36	10S	21E	WASATCH/MESAVERDE
4304735713	FEDERAL 1022-28N	SESW	15145	28	10S	22E	WASATCH/MESAVERDE
4304736418	STATE 1021-36B	NWNE	14953	36	10S	21E	WASATCH/MESAVERDE
4304738848	STATE 1021-36N	SESW	16359	36	10S	21E	WASATCH/MESAVERDE
4304735735	FEDERAL 1022-28O	SWSE	15285	28	10S	22E	WASATCH/MESAVERDE from MVRD
4304736419	STATE 1021-36A	NENE	15035	36	10S	21E	WASATCH/MESAVERDE
4304738849	STATE 1021-36K	NESW	16084	36	10S	21E	WASATCH/MESAVERDE
4304735736	FEDERAL 1022-28M	SWSW	15286	28	10S	22E	WASATCH/MESAVERDE
4304736420	STATE 1021-36P	SESE	15372	36	10S	21E	WASATCH/MESAVERDE
4304738850	STATE 1021-36C	NENW	16396	36	10S	21E	WASATCH/MESAVERDE
4304734861	FEDERAL 29-10-22	SESE	14006	29	10S	22E	MESAVERDE To WSMVD
4304735577	FEDERAL 1022-33O	SWSE	15080	33	10S	22E	WASATCH/MESAVERDE
4304735739	FEDERAL 1022-33E	SWNW	15193	33	10S	22E	WASATCH/MESAVERDE
4304735740	FEDERAL 1022-33M	SWSW	15373	33	10S	22E	WASATCH/MESAVERDE
4304735741	FEDERAL 1022-33L	NWSW	15511	33	10S	22E	WASATCH/MESAVERDE
4304735742	FEDERAL 1022-33G	SWNE	15404	33	10S	22E	WASATCH/MESAVERDE from MVRD
4304735743	FEDERAL 1022-33C	NENW	15405	33	10S	22E	WASATCH/MESAVERDE
4304735744	FEDERAL 1022-33A	NENE	15539	33	10S	22E	WASATCH/MESAVERDE
4304737105	FEDERAL 1022-33D	NWNW	16502	33	10S	22E	WASATCH/MESAVERDE
4304737106	FEDERAL 1022-33F	SENW	16560	33	10S	22E	WASATCH/MESAVERDE from WSTC
4304737107	FEDERAL 1022-33K	NESW	16124	33	10S	22E	WASATCH/MESAVERDE
4304737109	FEDERAL 1022-33N	SESW	16126	33	10S	22E	WASATCH/MESAVERDE
4304737110	FEDERAL 1022-33B	NWNE	16561	33	10S	22E	WASATCH/MESAVERDE
4304735810	STATE 1021-36E	SWNW	14295	36	10S	21E	WASATCH/MESAVERDE